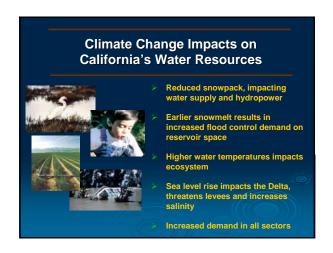
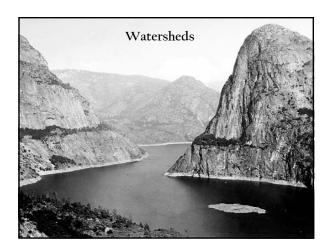
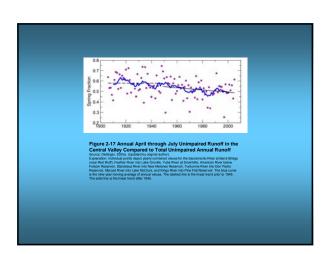


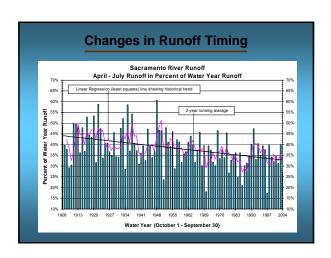
Prancis Chung Jamie Anderson Mike Anderson Mike Marderson Levi Brekke (USBR) Dan Easton Messele Ejeta Michael Floyd Guido Franco (CEC) Alan Olson Morteza Orang Michael Perrone Roy Peterson Maury Roos Richard Snyder (UCD) David Todd Russell Yaworsky (USBR) Hongbing Yin www.baydeltaoffice.water.ca.gov/climatechange.cfm

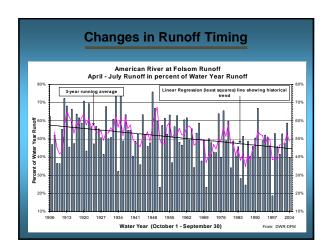


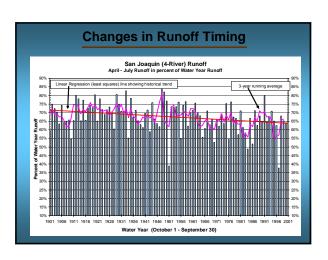


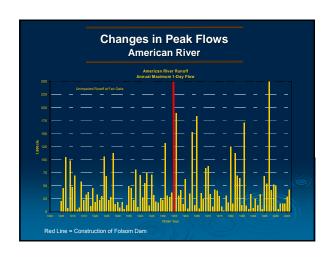


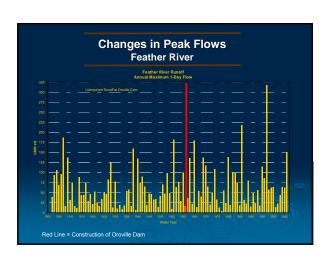


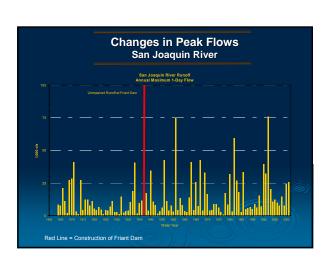






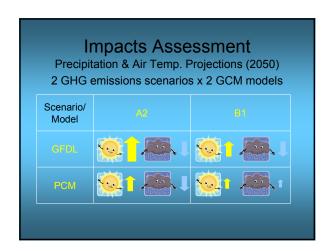








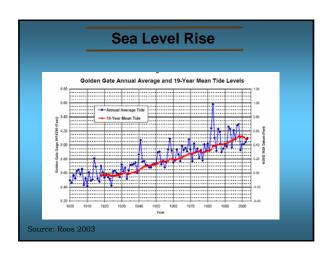


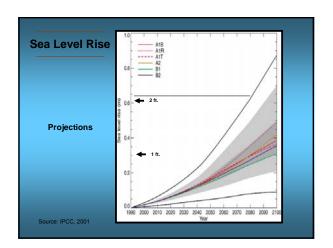


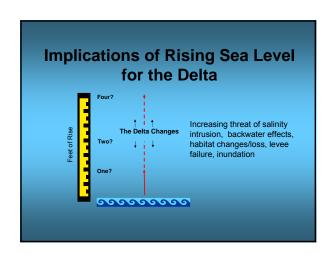


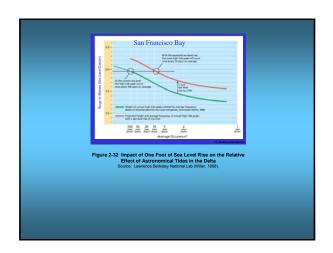
















Levee Overtopping Potential # of Potential Overtopping Events in 16 yrs 4 Climate 4 Climate Change Scenarios +1ft SLR Location Base Change 1 ft SLR Scenarios Sherman Is 0 0 2 2 Twitchell Is 0 0 2 2 Jersey Is 0 0 2 2

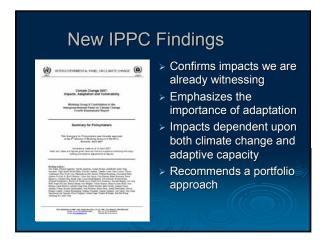


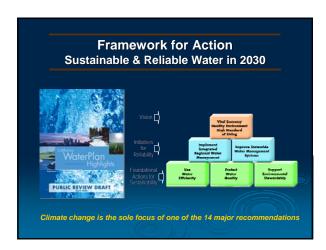
California Water Management and Climate Change

- · Climate change is real.
- Climate change presents significant challenges for the management of California's water resources.
- Climate change is occurring incrementally and will likely continue to do so based on historical records over the past 100 years and most projections.
- California's water management systems already provide a great deal of operational flexibility.
- We should have time to plan for future climate change and then adapt to it.

Climate Action Team CalEPA Secretary Chairs the Team BT&H, CDFA, Resources, PUC, ARB, CIWMB, and CEC are Represented The CAT Report: Key Recommendations Emission Reduction Strategies Market-Based Program Scenario Analysis Environmental Justice Considerations Final Report to Governor and Legislature in March 2006 (Updated Biennially)

Assembly Bill 32 Global Warming Solutions Act of 2006 Reduce GHG emissions to 1990 levels by 2020 (30% reduction) Applies to Kyoto pollutants - CO₂, CH₄, N₂O, HFC, PFC, SF₆ Detailed action schedule





Resource Management Strategies

- Reduce Water Demand

 > Agricultural Water Use Efficiency
 > Urban Water Use Efficiency

prove Operational Efficiency &

- Conveyance System Reoperation Water Transfers

- crease Water Supply
 Conjunctive Management &
 Groundwater Storage
- Desalination –Brackish & Seawater
 Precipitation Enhancement
- Recycled Municipal Water
- Surface Storage CALFED Surface Storage -Regional/Local

- Improve Water Quality

 Drinking Water Treatment and Distribution

Distribution Groundwater/Aquifer Remediation Matching Quality to Use Pollution Prevention Urban Runoff Management

Practice Resource Stewardship Agricultural Lands Stewardship Economic Incentives (Loans, Grants, and Water Pricing) Ecosystem Restoration Floodplain Management Recharge Areas Protection Urban Land Use Management Water-Dependent Recreation Watershed Management

Proposition 84 Water Management Programs

- > Integrated Regional Water Management
- > Delta Water Quality
- > State Water Planning
- ▶ Colorado River
- > San Joaquin River Restoration









